

## ABSTRACT OF THE DISCLOSURE

5       **IDENTIFICATION OF SEQUENCES PARTICULARLY USEFUL FOR THE  
DIAGNOSIS AND IDENTIFICATION OF THERAPEUTIC TARGETS FOR  
OSTEOARTHRITIS**

The invention relates to the identification and selection of sequences which demonstrate particular advantage in identifying individuals having osteoarthritis (OA). The invention also provides a selection of sequences particularly useful in diagnosing the degree 10 of advancement of osteoarthritis of an individual and in the identification of novel therapeutic targets for OA. The invention further provides for the use of these sequences as a tool to diagnose disease progression and to monitor the efficacy of therapeutic regimens.